

environmental studies major planning worksheet

This sheet is only a planning guide. Please make an appointment with an Environmental Studies advisor to talk about your individual course of study by email: poeadv@u.washington.edu or by phone: 206-616-2461.

Students in good academic standing can declare this major at any time. Majors must satisfy the College of Arts & Sciences general education requirements. Students must achieve a minimum 2.0 in each course presented for the major, except the courses presented for the Biology, Chemistry and Statistics Foundational requirements. The average grade across the Biology, Chemistry, and Statistics courses must be a minimum of 2.0.

CORE COURSES (15 credits)

- ENVIR 100** Environmental Studies: Interdisciplinary Foundations (to be completed freshman year: Aut/Win)
- ENVIR 200** Environmental Studies: Communication and Information (to be completed sophomore or junior year: Aut/Win/Spr)
- ENVIR 300** Environmental Studies: Synthesis and Application (to be completed junior or senior year: Win/Spr)

FOUNDATIONAL COURSES (33-35 credits)

(to be completed during freshmen and sophomore year)

- Biology** (10 credits): FISH/ESRM 161 and FISH/ESRM 162 General Biology (161: Win, 162: Spr) or BIOL 180 and BIOL 220 (All quarters)
- Chemistry** (5 credits): CHEM 120 Principles of Chemistry I (Aut/Sum)
- Earth Systems Literacy** (3-5 credits): **One** course from among:
 - ATM S 211 Climate and Climate Change
 - ESS 201 The Earth System and Climate
 - ESS / OCEAN 230 Rivers and Beaches
 - GEOG 205 Introduction to Physical Sciences and the Environment
 - OCEAN 200 Introduction to Oceanography
- Statistics** (5 credits): One course from among:
 - Q SCI 381 Introduction to Probability and Statistics (All quarters)
 - STAT 220 Basic Statistics (All quarters)
 - STAT 311 Elements of Statistical Methods (All quarters)

- Values and Cultures** (10 credits): **Two** courses from List A **or one** course from List A and **one** from List B:

LIST A

ANTH 210 Introduction to Environmental Anthropology
HSTAA 221 Environmental History of the US
PHIL/ENVIR 243 Environmental Ethics

LIST B

ANTH 202 Principals of Sociocultural Anthropology
CHID 110 The Question of Human Nature
GEOG 301 Cultural Geography
SIS 202 Cultural Interactions in an Interdependent World

ENVIRONMENTAL PERSPECTIVE AND EXPERIENCES (30 credits) (to be completed during junior and senior years):

Complete a minimum of 30 credits from the list of approved courses available on the program website (<http://depts.washington.edu/poeweb/courses/perspexp.html>) or from the advising office. At least 20 of these credits must come from 300- and 400-level classes.

A minimum of three (3) credits must be completed in each of the following Environmental Perspectives:

- 30 credits total
- Natural Sciences _____
- Human and Social Dimensions _____
- Policy and Decision-Making _____
- Tools and Technologies _____

Within this 30-credit requirement, students must complete at least three credits in each of the following types of Environmental Experiences (*Experience courses can overlap with Perspectives courses*):

- Bioregional Studies and Experiences (3 credits): Designated with a *B* on course lists _____
- Global Studies and Experiences (3 credits): Designated with an *G* on course lists _____
- Fieldwork (3 credits): Designated with an *F* on course lists _____

CAPSTONE EXPERIENCE (10 credits):

- Pre-Capstone Seminar (2 credits): ENVIR 490 (Aut/Spr)
- Capstone Experience (5 credits): ENVIR 491 (Win/Sum)
- Post-Capstone Seminar (3 credits): ENVIR 492 (Aut/Spr)

Environmental Perspectives and Experiences Course List

For course descriptions and quarterly offerings, go to
<http://depts.washington.edu/poeweb/courses/perspexp.html>

Human & Social Dimensions

ANTH/ENVIR 371 Anthropology of Development
ANTH 457 Ecological Anthropology
ANTH/ENVIR 459 Culture, Ecology and Politics
ANTH/AES 487 Cultures and Politics of Environmental Justice
C LIT Special Topic /ENVIR 450 Environmental Literature
GEOG 270 Geographies and International Development and Environmental Change
GEOG 280 Introduction to the Geography of Health and Health Care
GEOG/SIS 335(G) Geography of the Developing World
GEOG 371(G) World Hunger and Resource Development
GEOG/SISA 372(G) Asian Sustainable Development
GEOG 380 Geographical Patterns of Health and Disease
GEOG 472 Ecoscapes: Nature, Culture, and Place
GEOG 480 Environmental Geography, Climate, and Health
L ARCH 361 The Human Experience of Place
PHIL/ENVIR 416 Ethics and Climate Change
PHIL/ENVIR 417 Advanced Topics in Environmental Philosophy
SIS/SMA/ENVIR 433 (G) Environmental Degradation in the Tropics
SIS 430 (G) International Population
URDBP 461 History of Urban Planning in the United States

Natural Sciences

ATM S 212 Air Pollution: From Urban Smog to the Ozone Hole
BIOL 222 (B) Natural History of Puget Sound Country
BIOL 223 Diversity in Animals
BIOL 226 Laboratory in Environmental Problems
BIOL/FISH/OCEAN 250 Marine Biology
BIOL 330 (F) Natural History of Marine Invertebrates
BIOL 333 (F) Plant Communities: Resilience and Restoration
BIOL 356 Foundations in Ecology
BIOL 476 Conservation Biology
ENV H 311 Introduction to Environmental Health
ENV H 451 Ecology of Environmentally Transmitted Microbiological Hazards
ENV H 472 Environmental Risk and Society
ENV H 490 Community Air Pollution
ESRM 210 Introductory Soils
ESRM 302 Restoration Design
ESRM 310 (B, F) Trees in Our Environment
ESRM 311 (B) Soils and Land Use
ESRM 350 Wildlife Biology and Conservation
ESRM/ENVIR 362 (F) Introduction to Restoration Ecology
ESRM 401 (B, F) Spring Comes to the Cascades
ESRM 415 Biology, Ecology, and Management of Plant Invasions
ESRM 452 (F) Field Ornithology
ESS 301 (B) Geology of the Northwest
ESS 303 (B, F) Geologic Hazards
ESS 315/ENVIR 313 Environmental Earth Science
FISH 312 Fisheries Ecology
FISH/ESRM 328 Forestry-Fisheries Interactions
FISH/SMA 350 Marine Ecology of Coastal Systems
FISH 447 Watershed Ecology and Management
FISH 457 Design and Evaluation of Marine Protected Areas
FISH 473 Limnology
FISH/BIOL/ENVIR 478 Topics in Sustainable Fisheries
OCEAN/ENVIR 260 (B) The Puget Sound Ecosystem
OCEAN 310 (B, F) The Puget Sound Nearshore: Processes and Problems
PHYS 204 Radiation: Nature, Technology, and Society

Tools & Technologies

CEE 484 On-site Wastewater Disposal
ESRM 250 Introduction to Geographic Information Systems in Forest Resources
ESRM 304 Environmental and Resource Assessment
ESRM 430 Aerial Photos/Remote Sensing Natural Resources
ESS 421 Introduction to Geological Remote Sensing
FISH 210 Methods in Fisheries and Aquatic Sciences: Theory and Applications
FISH/OCEAN 453 (F) Spatial Information Technologies in Ecosystem Sciences
FISH 457 Design and Evaluation of Marine Protected Areas
GEOG 258 Maps and GIS
GEOG 360 Principles of GIS Mapping
GEOG 471 Methods of Resource Analysis
L ARCH 300 Introductory Landscape Architecture Design Studio
L ARCH 303 Natural Processes Studio
ME/CHEM E/ENVIR 341 Energy and Environment
ME/ENVIR 415/CEE 495 Sustainability and Design for Environment
ME/CHEM E/ENVIR 442 Renewable Energy
OCEAN/FISH 452 (F) Spatial information Technologies in Ecosystem Sciences
Q SCI 291 Analysis for Biologists I
SMA 512 Interviewing Methods and Environmental Topics
URDBP 467 Urban Planning Uses of Remote Sensing

Policy & Decision-making

ENV H 472 Environmental Risk and Society
ESRM/ENVIR/ECON 235 Introduction to Environmental Economics
ESRM 315 (B) Natural Resource Issues: Old-Growth and Forest Management
ESRM 320 Marketing and Human Resource Management from an Environmental Perspective
ESRM 321 Finance and Accounting from An Environmental Perspective
ESRM 400 Natural Resource Conflict Management
ESRM 425 Ecosystem Management
ESRM 458 Management of Endangered, Threatened, and Sensitive Species
ESRM 465 Economics of Conservation
ESRM 470 Natural Resource Policy and Planning
FISH 323 Conservation and Management of Aquatic Resources
FISH/ENVIR 439 Attaining a Sustainable Society
GEOG 302 (B) The Pacific Northwest
GEOG 370 Problems in Resource Management
POL S 383 (G) Environmental Politics and Policy in the United States
POL S / ENVIR 384 (G) Global Environmental Politics
SIS/SCAND 350/ENVIR 360 (G) Environmental Norms in International Politics
SISEA/ANTH 406 (G) China's Environment
SISEA/SOC 434 (G) Demographic Issues in Asia
SMA/ENVIR 476 Introduction to Environmental Law and Process
SMA/FISH/ENVIR 480 Marine Resource Conservation and Management
URDBP 300 Introduction to Urban Planning
URDBP 450 Introduction to Land Use, Growth Management, and Environmental Planning

